PECA 190C40/2598 (vliu)

HIGH FREQUENCY HEATING DEVICE

ABSTRACT OF THE DISCLOSURE

This invention provides a magnetron high frequency device which includes: a filtering inductor coupled to a positive end of a direct current power supply and having a first end and a second end; a central tap transformer having a central tap end, a first end and a second end, said central tap end being connected to said second end of said filtering inductor; a filtering capacitor a first end of which is connected to said first end of said central tap transformer and a second end of which is connected to a negative end of said direct current power supply; a first switch which is connected in series to said second end of said central tap transformer and connected to said negative end of said direct current power supply; an in-series circuit having a second switch and a second capacitor and coupled to said central tap transformer; a rectifying device coupled to a secondary winding of said central tap transformer; and a magnetron coupled to said rectifying device, wherein, said first capacitor, said second capacitor and said central tap transformer forms a resonant circuit.